

**ABSTRACT**

An apparatus for separating impurities from a liquid by a non-dispersive contacting of a liquid-liquid reactive systems, said liquids being immiscible with each other, which comprises a cylindrical column separated into a first stage and a second stage, a plurality of modules of packed metallic fibers mounted in the first stage of said column on a support, a first distributor provided in the first stage of the column for distributing a first liquid located above said support such that said first liquid completely wets said fibers by capillary action and forms a film thereon, a second distributor fitted at a bottom portion of the second stage for distributing a second liquid containing impurities on to the metallic fibers, wherein said second liquid flow co-currently with said first liquid so that the impurities present in said second liquid react with said first liquid and dissolve therein and a separator connected to a bottom of said column for separating the first liquid and purified second liquid.